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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO. 2619		
10/008,268	11/13/2001	James M. Kates	22645-7085			
7590 10/29/2004		•	EXAM	INER		
Michael J. Bolan			· NI, SUHAN			
Bingham McCutchen LLP Three Embarcadero Center Suite 1800			ART UNIT	PAPER NUMBER		
			2643			
San Francisco,	CA 94111		DATE MAILED: 10/29/200-	DATE MAILED: 10/29/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.



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	Application	No.	Applicant(s)	71
	10/008,268	3	KATES, JAMES M.	
Office Action Summary	Examiner		Art Unit	
	Suhan Ni		2643	
The MAILING DATE of this communi Period for Reply	cation appears on the	cover sheet with the c	correspondence addre	ss
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATED STATES OF THIS COMMUNICATED STATES OF THE MAILING THE MA	CATION. of 37 CFR 1.136(a). In no ever unication. o) days, a reply within the statut tutory period will apply and will will, by statute, cause the applic	ot, however, may a reply be tincory minimum of thirty (30) day expire SIX (6) MONTHS from ation to become ABANDONE	nely filed /s will be considered timely. If the mailing date of this committed D (35 U.S.C. § 133).	unication.
Status				
1) Responsive to communication(s) file 2a) This action is FINAL . 2 3) Since this application is in condition of closed in accordance with the practice.	2b)⊡ This action is no for allowance except f	or formal matters, pro		erits is
Disposition of Claims				
4) ☐ Claim(s) 1-3 and 30-44 is/are pendin 4a) Of the above claim(s) is/ar 5) ☐ Claim(s) 30-40 is/are allowed. 6) ☐ Claim(s) 1-3 and 41-44 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restrict	re withdrawn from con			*. **
Application Papers				T.
9) The specification is objected to by the 10) The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including 11) The oath or declaration is objected to	a) accepted or b) ction to the drawing(s) be the correction is require	held in abeyance. Se	e 37 CFR 1.85(a). ejected to. See 37 CFR	
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim a) All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies of application from the Internatio * See the attached detailed Office action	documents have been documents have been of the priority documen nal Bureau (PCT Rule	received. received in Applicat nts have been receive 17.2(a)).	ion No ed in this National Sta	age
Attachment(s)		_		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (P 3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date	PTO/SB/08)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal 6 6) Other:		52)
S Patent and Trademark Office			·	

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DETAILED ACTION

1. This communication is responsive to the amendment filed 07/19/2004.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Massie et al. (U. S. Pat. 5,698,807).

Regarding claim 1, Massie et al. disclose a hearing device, comprising: an input signal channel providing digital input signals (58); a signal path adapted to process said digital input signals in accordance with a predetermined signal processing algorithm to produce a digital output signal, wherein said signal path further comprises at least one signal processing function operating on a warped frequency scale (Fig. 2); and an output conversion means adapted to convert said output signals to an audio output as claimed. But Massie et al. do not specially teach a microphone as claimed. Since providing a microphone for obtaining acoustic signal and ADC for converting the acoustic incoming signal to a digital signal for further DSP is very well known in the art, it therefore would have been obvious to one having ordinary skill in the art at the time the invention was made to be motivated to provide the microphone and ADC for the device as an alternate choice, in order to provide a proper input signal for processing.

Regarding claim 2, Massie et al. further disclose the hearing device, wherein at least one signal processing function further comprises a plurality of cascaded all-pass filters (Fig. 2) as claimed.

Regarding claim 3, Massie et al. further disclose the hearing device, wherein said warped frequency scale approximates a Bark scale (col. 6, lines 45-50).

Regarding claims 41-44, Massie et al. do not specially teach the type of hearing device as claimed. Since to customize or minimize a hearing device to fit or satisfy different users is well known in the art, it therefore would have been obvious to one having ordinary skill in the art at the time the invention was made to be motivated to configure the hearing device to a suitable hearing aid, such as BTE type as an alternate choice, in order to optimally provide the hearing device for different users.

Allowable Subject Matter

3. Claims 30-40 are allowed.

Response to Amendment

4. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new grounds of rejection. Accordingly, **THIS**ACTION IS MADE FINAL. See M.P.E.P. § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a).

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A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

6. Any response to this final action should be mailed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Or faxed to:

(703) 308-9051, (for formal communications; please mark "EXPEDITED PROCEDURE"), or

(703) 305-9508, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to:

Receptionist, Sixth Floor, Crystal Park II, 2121 Crystal Drive, Arlington, Virginia 22202

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Suhan Ni** whose telephone number is (703)-308-9322, and the number for fax machine is (703)-305-9508. The examiner can normally be reached on Monday through Thursday from 9:00 am to 7:30 pm. If it is necessary, the examiner's supervisor, **Curtis Kuntz**, can be reached at (703) 305-4708.

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Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the group receptionist whose telephone number is (703) 305-3900.

SN

October 22, 2004

PRIMARY EXAMINER